



<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	Atty Docket No.	Application No.:
	CYTOP002D1	10/082,036
	Applicant:	
	Kathleen A. Elias	
Filing Date	Group	
February 20, 2002	1631	

#### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
<i>JSB</i>	1	4,818,710	04/04/1989	Sutherland et al.			
<i>JSB</i>	2	4,922,092	05/01/1990	Rushbrooke et al.			
<i>JSB</i>	3	5,287,272	02/15/1994	Rutenberg et al.			
<i>JSB</i>	4	5,526,258	06/11/1996	Bacus			
<i>JSB</i>	5	5,733,721	03/31/1998	Hemstreet, III et al.			
<i>JSB</i>	6	5,893,095	04/06/1999	Jain et al.			
<i>JSB</i>	7	6,083,763	07/04/2000	Balch			
<i>JSB</i>	8	6,345,115	02/05/2002	Ramm et al.			
<i>JSB</i>	9	RE 34,214	04/06/1993	Carlsson et al.			

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#### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
<i>JSB</i>	10	WO 9522749	24 AUG 95	PCT/WIPO			Y	
<i>JSB</i>	11	EP 0317139	24 MAY 89	EPO			Y	

#### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
<i>JSB</i>	12	Sunblad et al., "The use of image analysis and automation for measuring mitotic index in apical confier meristems", © Oxford University Press 1998, Journal of Experimental Botany, Vol. 49, No. 327, pp. 1749-56

Examiner <i>JSB, Brunner</i>	Date Considered <i>14 October 2003</i>
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Examiner Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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#### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
<i>JB</i>	A	5,162,990	Nov 1992	Odeyale et al.			
	B						
	G						
	H						
	I						

#### Foreign Patent or Published Foreign Patent Application

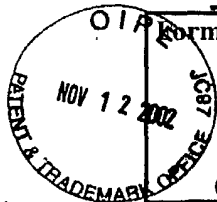
Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
<i>JB</i>	J	WO 98/52018	Nov 1998	PCT				
	K							
	L							
	M							
	N							

#### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
<i>JB</i>	O	ANCIN, Hakan et al., "Advances in Automated 3-D Image Analysis of Cell Populations Imaged by Confocal Microscopy", 1996, Cytometry, Vol. 25, pp. 221-234.
<i>JB</i>	P	MALPICA, Norberto et al., "Applying Watershed Algorithms to the Segmentation of Clustered Nuclei", 1997, Cytometry, Vol. 28, pp. 289-297.
<i>JB</i>	Q	NILSSON, Björn et al., "Segmentation of Dense Leukocyte Clusters", 2001, IEEE Workshop on Mathematical Methods in Biomedical Image Analysis, Kauai, Hawaii, pp. 221-227.
Examiner <i>JB Bruner</i>		Date Considered <i>14 October 2003</i>

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I.D.S.



Form 1449 (Modified)

**Information Disclosure  
Statement By Applicant**

(Use Several Sheets if Necessary)

Atty Docket No.

**CYTOP002D1**

Applicant:

**Elias**

Filing Date

**February 20, 2002**

Application No.:

**10/082,036**

Group

**1631**

**U.S. Patent Documents**

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
<i>JB</i>	1	6,146,830	11/14/2000	Friend et al.			
<i>JB</i>	2	6,222,093	04/24/2001	Marton et al.			

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**Foreign Patent or Published Foreign Patent Application**

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation
<i>JB</i>	3	WO 94/11841	05/26/1994	PCT			X
<i>JB</i>	4	WO 00/70528 A2	11/23/2000	WIPO			X

**Other Documents**

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	5	Cseke, I., "A Fast Segmentation Scheme for White Blood Cell Images" (1992) IEEE, pp. 530-533 <i>no copy provided in 09/74/721</i>
	6	Serbouti, S., et al., "Image Segmentation and Classification Methods to Detect Leukemias", (1991) Annual Int'l Conf. of IEEE Eng. In Medicine & Biology Soc., Vol. 13, No. 1, pp. 0260-0261 <i>no copy provided in 09/74/721</i>
Examiner	Date Considered	
<i>JB. Brusa</i>	<i>14 October 2003</i>	

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	<div style="text-align: right;"> <b>RECEIVED</b>  <b>MAR 24 2003</b>  <b>TECH CENTER 1600/2900</b> </div>	

#### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
JB	A	5,326,691	07/05/94	Hozier			
JB	B	5,355,215	10/11/94	Schroeder et al.			

#### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
JB	C	93/21511	28.10.93	PCT				
JB	D	94/11841	26.05.94	PCT				
JB	E	96/09605	28.03.96	PCT				
JB	F	97/43732	20.11.97	PCT				
JB	G	99/05323	04.02.99	PCT				
JB	H	00/70528	23/11/00	PCT				

#### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
JB	I	Adams et al., "Cell patterning on glass and polymeric substrates" US Patent Application No. 60/138,119, filed June 7, 1999
JB	J	Kapur et al., "Design and Fabrication of Spatially Controlled Miniaturized Organ Systems from Stem Cells", US Patent Application No. 60/127,339, filed April 1, 1999
JB	K	Hofland et al., "Role of Tumor - Derived Fibroblasts in the Growth of Primary Cultures of Human Breast-Cancer Cells: Effects of Epidermal Growth Factor and the Somatostatin Analogue Octreotide", 1995, Int. J. Cancer: 60, 93-99.
JB	L	Stearns et al., "Interleukin 10 (IL-10) inhibition of primary human prostate cell-induced angiogenesis: IL-10 stimulation of tissue inhibitor of metalloproteinase-1 and inhibition of matrix metalloproteinase (MMP) 2/MMP-9 Secretion", January 1999, Clinical Cancer Research, vol. 5 189-196.
JB	M	Takayama et al., "Patterning cells and their environments using multiple laminar fluid flows in capillary networks", May 1999, Proc. Natl. Acad. Sci. USA, vol. 96, pp. 5545-5548.
Examiner <i>JB. Bussch</i>		Date Considered <i>14 October 2003</i>

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	Applicant: Kathleen A. Elias	
	Filing Date HEREWITH	Group UNASSIGNED

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### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
JB	A1	6,008,010	12/28/99	Greenberger et al.	—	—	
JB	A2	5,989,835	11/23/99	Dunlay et al.	—	—	
JB	A3	60/120,801	02/19/99	Wang et al.	—	—	
JB	A4	60/142,646	07/06/99	Boyce et al.	—	—	
JB	A5	60/142,375	07/06/99	Boyce et al.	—	—	
JB	A6	60/108,291	11/13/98	Boyce et al.	no copy provided in 09/20/02	—	
JB	A7	60/110,643	12/01/98	Smith	—	—	
JB	A8	60/140,240	06/21/99	Dunlay et al.	—	—	
JB	A9	5,655,028	08/05/97	Soll	—	—	
JB	A10	5,976,825	11/2/99	Hochman	—	—	
JB	A11	5,804,436	09/08/98	Okun et al.	—	—	
JB	A12	5,919,646	07/06/99	Okun et al.	—	—	
JB	A13	6,103,479	08/15/00	Taylor	—	—	
JB	A14	4,965,725	10/23/90	Rutenberg	—	—	
JB	A15	5,741,648	04/21/98	Hemstreet et al.	—	—	
JB	A16	5,991,028	11/23/99	Cabib et al.	—	—	
JB	A17	6,007,996	12/28/99	McNamara et al.	—	—	
JB	A18	5,548,661	08/20/96	Price et al.	—	—	
JB	A19	5,790,692	08/04/98	Price et al.	—	—	
JB	A20	5,790,710	08/04/98	Price et al.	—	—	
JB	A21	5,856,665	01/05/99	Price et al.	—	—	
JB	A22	5,932,872	08/13/99	Price	—	—	
JB	A23	5,995,143	11/30/99	Price et al.	—	—	
JB	A24	5,776,748	06/07/98	Singhvi et al.	—	—	
JB	A25	4,959,301	09/25/90	Weaver et al.	—	—	
JB	A26	5,962,520	10/05/99	Gavin et al.	—	—	
JB	A27	6,007,996	12/28/99	McNamara	—	—	

### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
JB	B1	WO 99/39184	08/05/99	PCT	—	—	X	
JB	B2	WO 00/29984	05/25/00	PCT	—	—	X	
JB	B3	WO 98/45704	10/15/98	PCT	—	—	X	

John Bricea 14 October 2003

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JB	B4	WO 99/17116	04/08/99	PCT	---	X	
JB	B5	WO 99/54494	10/28/99	PCT	---	X	
JB	B6	WO 98/05959	02/12/98	PCT	---	X	
JB	B7	WO 00/33250	06/08/00	PCT	---	X	
JB	B8	WO 00/03246	01/20/00	PCT	---	X	
JB	B9	WO 00/17624	03/30/00	PCT	---	X	
JB	B10	WO 00/17643	03/30/00	PCT	---	X	
JB	B11	WO 00/50872	08/31/00	PCT	---	X	
JB	B12	WO 00/60356	10/12/00	PCT	---	X	
JB	B13	WO 97/45730	12/04/97	PCT	---	X	
JB	B14	WO 98/38490	09/03/98	PCT	---	X	
JB	B15	WO 97/20198	06/05/97	PCT	---	X	
JB	B16	WO 98/44333	10/08/98	PCT	---	X	
JB	B17	WO 99/44062	09/02/99	PCT	---	X	
JB	B18	EP 0468705	01/29/92	EP	---	X	
JB	B19	EP0902394	03/17/99	EP	---	X	
JB	B20	WO 00/06774	02/10/00	PCT	---	X	
JB	B21	WO 00/17808	03/30/00	PCT	---	X	
JB	B22	WO 00/26408	05/11/00	PCT	---	X	
JB	B23	WO 00/31534	06/02/00	PCT	---	X	
JB	B24	WO 95/10036	04/13/95	PCT	---	X	
JB	B25	WO 99/67739	12/29/99	PCT	---	X	
JB	B26	WO 87/02802	05/07/87	PCT	---	X	
JB	B27	WO 99/08091	02/18/99	PCT	---	X	
JB	B28	WO 00/49540	08/24/00	PCT	---	X	
JB	B29	WO 00/43820	07/27/00	PCT	---	X	
JB	B30	WO 96/01438	01/18/96	PCT	---	X	
JB	B31	WO 98/35256	08/13/98	PCT	---	X	
JB	B32	WO 97/40055	10/30/97	PCT	---	X	
JB	B33	WO 99/39184	08/05/99	PCT	---	X	
JB	B34	EP0902394A1	03/17/99	EP	---	X	

JB. Grueser 14 October 2003

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**Other Documents**

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
JSB	C1	Printout from Q3DM Website ( <a href="http://www.Q3DM.com">www.Q3DM.com</a> ), printed on March 1, 2001, 30 Pages.
JSB	C2	Montironi R., et al., "Computed Cell Cycle and DNA Histogram Analyses in Image Cytometry in Breast Cancer", Journal of Clinical Pathology, GB, London, Vol. 46, No. 9, September 1993, Pages 795-800.
JSB	C3	Giuliano K.A., et al., "Fluorescent-Protein Biosensors: New Tools for Drug Discovery", Trends in Biotechnology, GB, Elsevier Publications, Cambridge, Vol. 16, No. 3, March 1998, Pages 135-140.
JSB	C4	Printout from Automated Cell Website ( <a href="http://www.automatedcell.com">www.automatedcell.com</a> ) printed on March 9, 2001, 24 Pages.
JSB	C5	Ravi Kapur, et al., "Design and Fabrication of Spatially Controlled Miniaturized Organ Systems From Stem Cells", U.S. Provisional Patent Application No.: 60/127,339, Filed April 1, 1999, 21 Pages.
JSB	C6	Giuliano et al., "High-Content Screening: A New Approach to Easing Key Bottlenecks in the Drug Discovery Process", <u>J. Biomolecular Screening</u> , 2(4): 249 (1997).
JSB	C7	Pauwels et al., "Determination of the Mechanism of Action of Anticancer Drugs by Means of the Computer- Assisted Microscope Image Analysis of Feulgen-Stained Nuclei", <u>J. Pharmacological and Toxicological Methods</u> , 37: 105-115 (1997).
JSB	C8	Pauwels et al., "Monitoring Of Chemotherapy-Induced Morphonuclear Modifications By Means Of Digital Cell-Image Analysis", <u>J. Cancer Res. Clin. Oncol.</u> , 119: 533-540 (1993).
JSB	C9	Pauwels et al., "In Vitro Digital Cell Image Analysis of Morphonuclear Modifications Induced by Natural DNA- Interacting Anticancer Drugs in Three Neoplastic Cell Lines", <u>Meth. Find. Exp. Clin. Pharmacol.</u> , 17(3): 151-161 (1995).

JSB. Bruce 14 October 2003

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JB	C10	Pauwels et al., "The Application of Computerized Analysis of Nuclear Images and Multivariate Analysis to the Understanding of the Effects of Antineoplastic Agents and Their Mechanism of Action", <u>Meth. Find. Exp. Clin. Pharmacol.</u> , 15(2): 113-124 (1993).
JB	C11	Teri Adams, et al., "Cell Patterning on Glass and Polymeric Substrates", U.S. Provisional Patent Application No.: 60/127,138,119, Filed June 7, 1999, 21 Pages.
Rubas JB	C12 et al.	"An Integrated Method to Determine Epithelial Transport and Bioactivity of Oral Drug Candidates <i>in Vitro</i> ," <u>Pharmaceutical Research</u> , Vol. 13, No. 1, Pages 23-27, 1996
JB	C13	Uria JA, Stahle-Backdahl M, Seiki M, Fueyo A, Lopez-Otin C, "Regulation of Collagenase-3 Expression in Human Breast Carcinomas in Mediated by Stromal-Epithelial Cell Interactions", <u>Cancer Res</u> 1997 Nov 1;57 (21):4882-8, Abstract
JB	C14	Pauwels et al., "Combination of Computerized Morphonuclear and Multivariate Analyses to Characterize In Vitro the Antineoplastic Effect of Alkylating Agents", <u>J. Pharmacol. and Toxicol. Methods</u> , 33(1): 34-45 (1995).
JB	C15	Weinstein et al., "An Information-Intensive Approach to the Molecular Pharmacology of Cancer", <u>Science</u> , 275: 43-349 (January 17, 1997).
Examiner	JB. Bruce	Date Considered 14 October 2003

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